

# Work Order ID 74448



Page 1

Thursday, September 29, 2011 2:45:25 PM

Item ID:	D3805-041	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Wearplate Assembly Fwd, Low Gear					
Start Date:	9/29/2011	Start Qty:	8.00		Cust Item ID:	
Required Date:	10/14/2011	Req'd Qty:	8.00		Customer:	
Reference:						

Approvals:	Process Plan: <u>MLJ</u>	Date: <u>9/29/11</u>	Tooling:		Date:		Run	Start	
	QC:	Date:	SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
D3805	<u>XB</u> <u>11.10.18</u>								
100	<u>ECN #11-640</u>	0.00							

	Large Fab	Memo	0.00						
Large Fab		1- on D3806-1, fill cut outs with hardcoat welding rod as per dwg D3805							

2059 B Hardcoat Welding Rod  
 BATCH#: M118807  
 2-weld D3806-1 to wearplate by positioning holes together as per dwg D3805  
 304 S.S. Welding Rod  
 BATCH #: M117659  
 3-Transfer drill holes in bar

110	QC9- Inspect visual per QSI004- Fusion Welds	0.00							
	QC	Memo	0.00						
Quality Control									

11-10-05

X8 11-10-5 102

(8x)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 74448

Thursday, September 29, 2011 2:45:25 PM



Page 2

Item ID: D3805-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Wearplate Assembly Fwd, Low Gear

Start Date: 9/29/2011 Start Qty: 8.00



Cust Item ID:

Required Date: 10/14/2011 Req'd Qty: 8.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120 QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

130 Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00



Powdercoat

Powder Coating

Memo

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

0.00

140 QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

8 u1066

8

8X8 M/L 11/10/06

M118489

3:45  
320 OF  
4:15

8 d M/L 11/10/06

COUWT  
x M/PASUA

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Page 3

Thursday, September 29, 2011 2:45:25 PM

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Revision ID:					Stop	
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Start Date:	9/29/2011	Start Qty:	8.00		Cust Item ID:	
Required Date:	10/14/2011	Req'd Qty:	8.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150 	Small Fab	0.00							
	Memo	0.00							
	1- Bond D3807-1 gasket to inner surface of wearplate using a thin layer of 3m 1300/1300L scotch grip adhesive as per dwg BATCH: <u>7117780</u>								<u>8/11/10/18</u>
160 	QC	0.00							
	Quality Control								
	Memo	0.00							
170 	Packaging	0.00							
	Packaging								
	Identify as per dwg & Stock Location: <u>FP-1</u>	0.00							
	Memo	0.00							
									<u>x8</u> <u>MEASURED &amp; COUNTED</u> <u>8/11/10/18</u>

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

**Work Order ID 74448**

Page 4

Thursday, September 29, 2011 2:45:25 PM

Item ID: D3805-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Wearplate Assembly Fwd, Low Gear

Start Date: 9/29/2011 Start Qty: 8.00



Cust Item ID:

Required Date: 10/14/2011 Req'd Qty: 8.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

180

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

W/10/18 [Signature]

me  
11-10-18

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Thursday, September 29, 2011 2:45:32 PM

Page 1

Work Order ID: 74448

Parent Item: D3805-041

Parent Item Name: Wearplate Assembly Fwd, Low Gear

Start Date: 9/29/2011


Required Date: 10/14/2011

Start Qty: 8.00


Required Qty: 8.00

Comments: IPP Rev:A 08-07-21 new issue DD verified by:EC IPP Rev:B 09-03-04  
rev.a as per dwg DD verified by:EC


Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3805-1  Plate		Manufactured	No			100	Each	33.0000	1	8			
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Location	Loc Qty	Loc Code
WA	33	
69023	2	
74047	11	
74048	20	

D3806-1  Bar		Manufactured	No			100	Each	29.0000	1	8			
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Location	Loc Qty	Loc Code
WA	29	
73542	1	
74052	20	
74165	8	

D3807-1  Gasket		Manufactured	No			150	Each	4.0000	1	8			
--	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location	Loc Qty	Loc Code
FP010	4	
69022	4	

11-10-03 JBL

11-10-03 JBL

9/30/10/18

3 74056 (80)

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

8

7

6

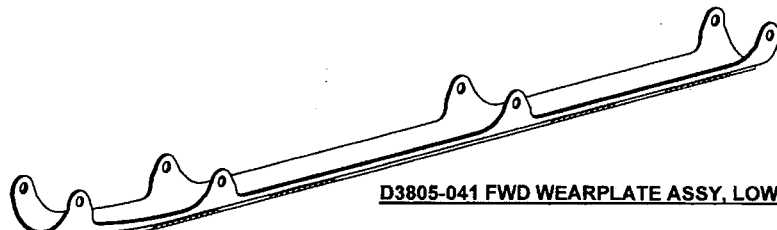
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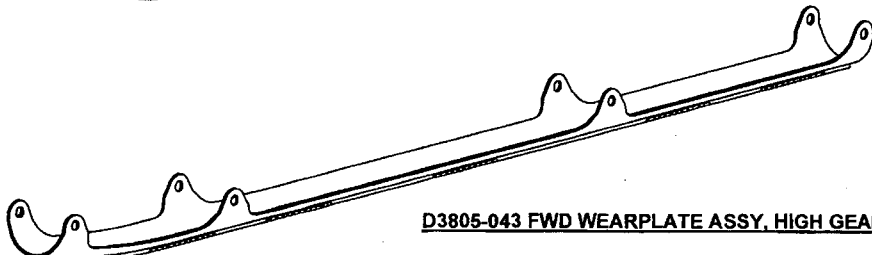
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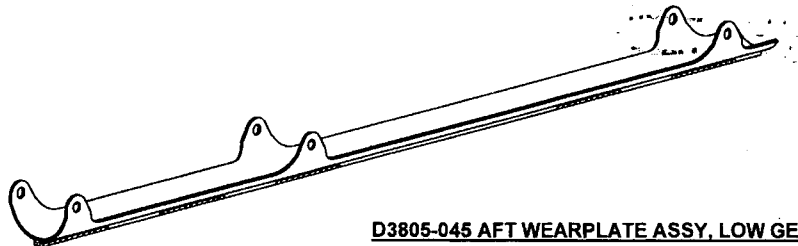
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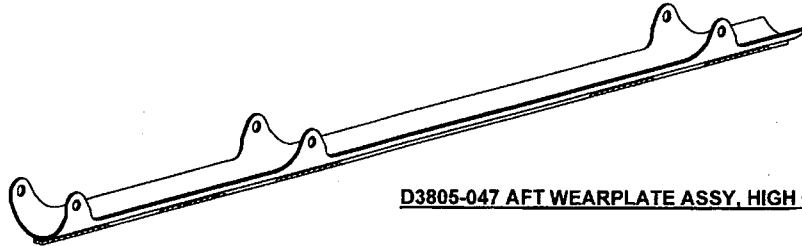
D3805-041 FWD WEARPLATE ASSY, LOW GEAR



D3805-043 FWD WEARPLATE ASSY, HIGH GEAR



D3805-045 AFT WEARPLATE ASSY, LOW GEAR



D3805-047 AFT WEARPLATE ASSY, HIGH GEAR

ITEM	QTY -041	QTY -043	QTY -045	QTY -047	P/N	DESCRIPTION
1	X				D3805-041	FWD WEARPLATE ASSY, LOW GEAR
2		X			D3805-043	FWD WEARPLATE ASSY, HIGH GEAR
3			X		D3805-045	AFT WEARPLATE ASSY, LOW GEAR
4				X	D3805-047	AFT WEARPLATE ASSY, HIGH GEAR
11	1				D3805-1	PLATE
12		1			D3805-3	PLATE
13			1		D3805-5	PLATE
14				1	D3805-7	PLATE
15	1				D3806-1	BAR
16		1			D3806-3	BAR
17			1		D3806-5	BAR
18				1	D3806-7	BAR
19	1				D3807-1	GASKET
20		1			D3807-3	GASKET
21			1		D3807-5	GASKET
22				1	D3807-7	GASKET
31	A/R	A/R	A/R	A/R	2059B	HARDCOAT
32	A/R	A/R	A/R	A/R	1300 (OR 1300L)	3M SCOTCH-GRIP ADHESIVE

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 74448 M.L.J.

RELEASED  
47 09.09.03

PW ECN 09-538

UNDER REVIEW

1 1 08.19

PER PART 100

A	NEW ISSUE	DESCRIPTION	MB	08.11.21
REV.			BY	DATE
DESIGN				
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	08.11.21			

DART AEROSPACE USA, INC.  
PORT HADLOCK, WA

DRAWING NO. D3805 REV. A  
SHEET 1 OF 8  
TITLE WEARPLATE ASSY SCALE NTS

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**Dart Aerospace Ltd**

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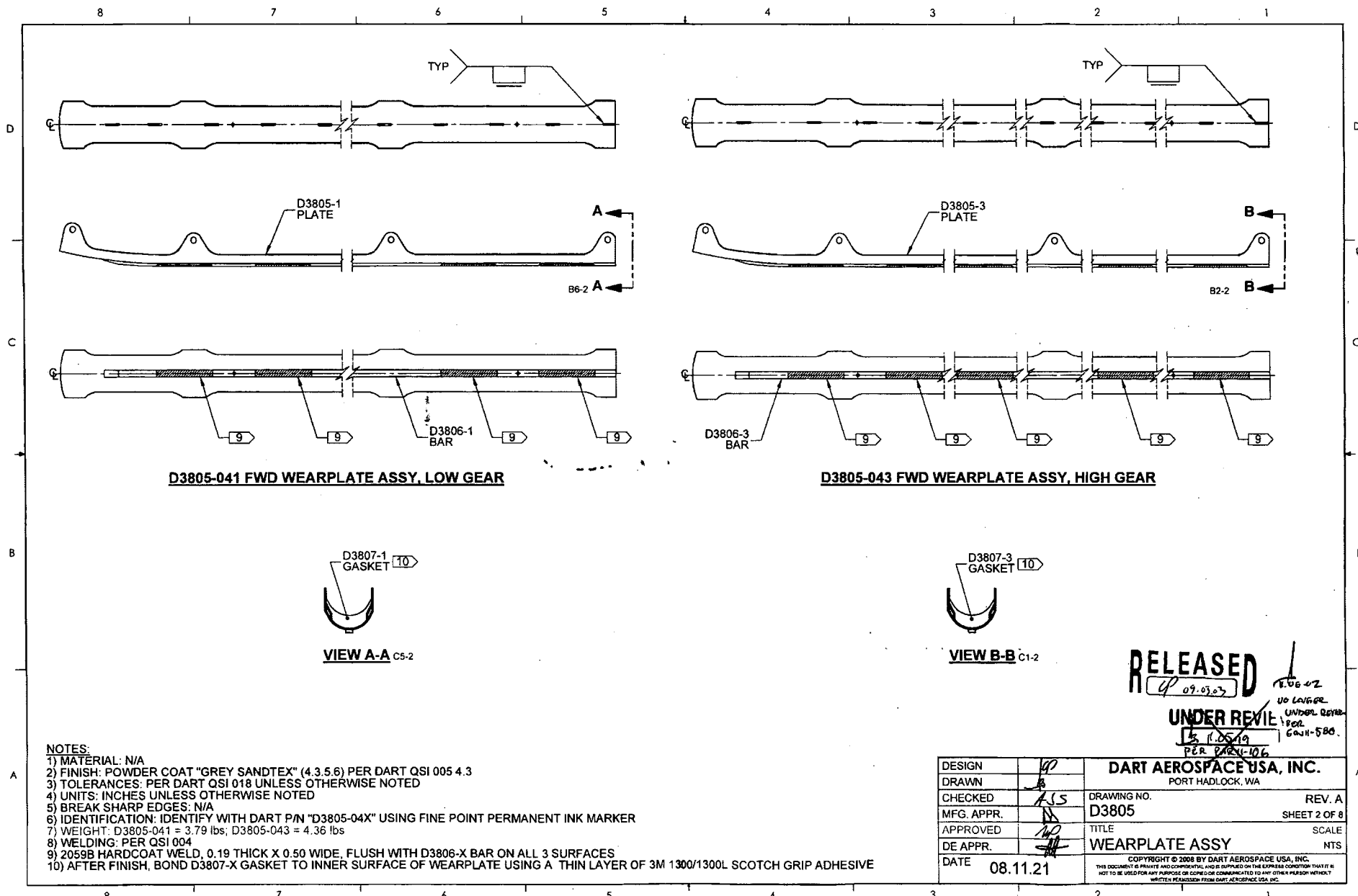
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

74448



**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

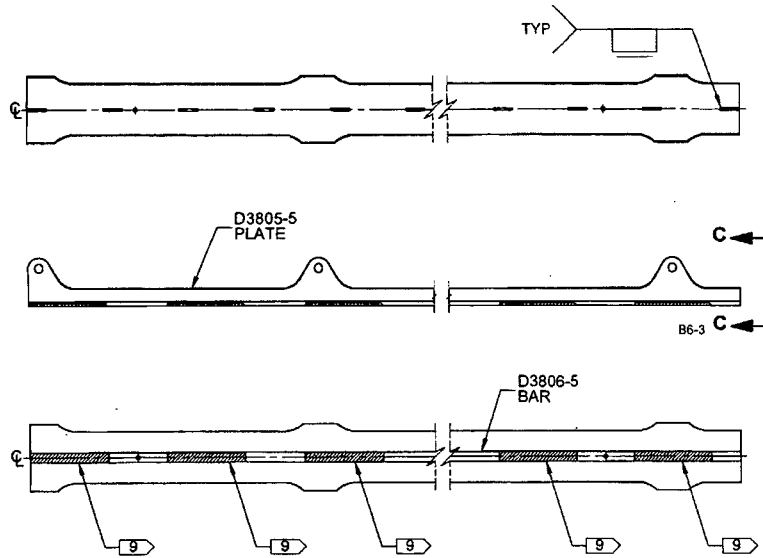
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

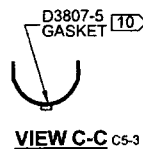
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

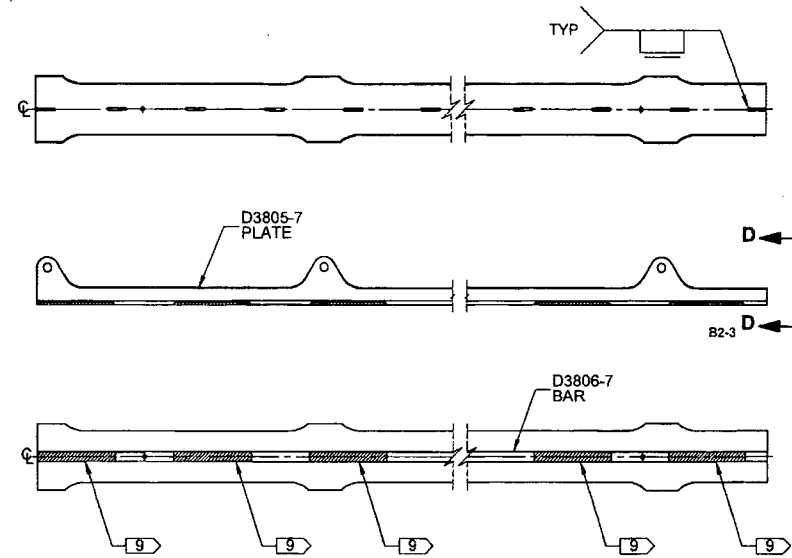
74448



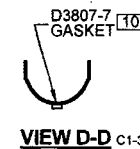
**D3805-045 AFT WEARPLATE ASSY.**



**VIEW C-C C5-3**



**D3805-047 AFT WEARPLATE ASSY.**



**VIEW D-D C1-3**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3805-04X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D3805-045 = 3.93 lbs; D3805-047 = 4.21 lbs
- 8) WELDING: PER QSI 004
- 9) 2059B HARDCOAT WELD, 0.19 THICK X 0.50 WIDE, FLUSH WITH D3806-X BAR ON ALL 3 SURFACES
- 10) AFTER FINISH, BOND D3807-X GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L SCOTCH GRIP ADHESIVE

DESIGN	19	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	JS	PORT HADLOCK, WA	
CHECKED	JS	DRAWING NO.	REV. A
MFG. APPR.	JS	D3805	SHEET 3 OF 8
APPROVED	JS	TITLE	SCALE
DE APPR.	JS	WEARPLATE ASSY	NTS
DATE	08.11.21	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMPILED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

**RELEASED**  
09.03.07

**UNDER REVIEW**

11.05.19

PER PART-106

11.06.02  
No LAMINAR  
UNLESS  
NOTED  
WITH THE

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



8	7	6	5	4	3	2
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Δ 11.06.02  
NO LASHES  
UNDER REVIEW  
FCN 11-500

NOTES:  
1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524  
18 GAUGE (0.050 THICK)  
REF. DART SPEC. M304S18GA

- 2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: N/A  
7) WEIGHT: 2.11 lbs

DESIGN	<i>lq</i>	<b>DART AEROSPACE USA, INC.</b> PORT HADLOCK, WA DRAWING NO. <b>D3805</b> TITLE <b>WEARPLATE ASSY</b> COPYRIGHT © 2009 BY DART AEROSPACE USA, INC. <small>THIS DOCUMENT IS REVIEWED AND APPROVED ON THE EXPRESS CONDITION THAT IT          NOT BE USED FOR ANY PURPOSES OR SOLELY OR COMMERCIALIZED TO ANY OTHER PERSON WITHOUT          THE WRITTEN PERMISSION OF DART AEROSPACE USA, INC.</small>	REV. /
DRAWN	<i>lq</i>		SHEET 4 OF 4
CHECKED	<i>ALS</i>		SCALE
MFG. APPR.	<i>lq</i>		NTS
APPROVED	<i>lq</i>		
DE APPR.	<i>lq</i>		
DATE	08.11.21		

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval. QC Inspector

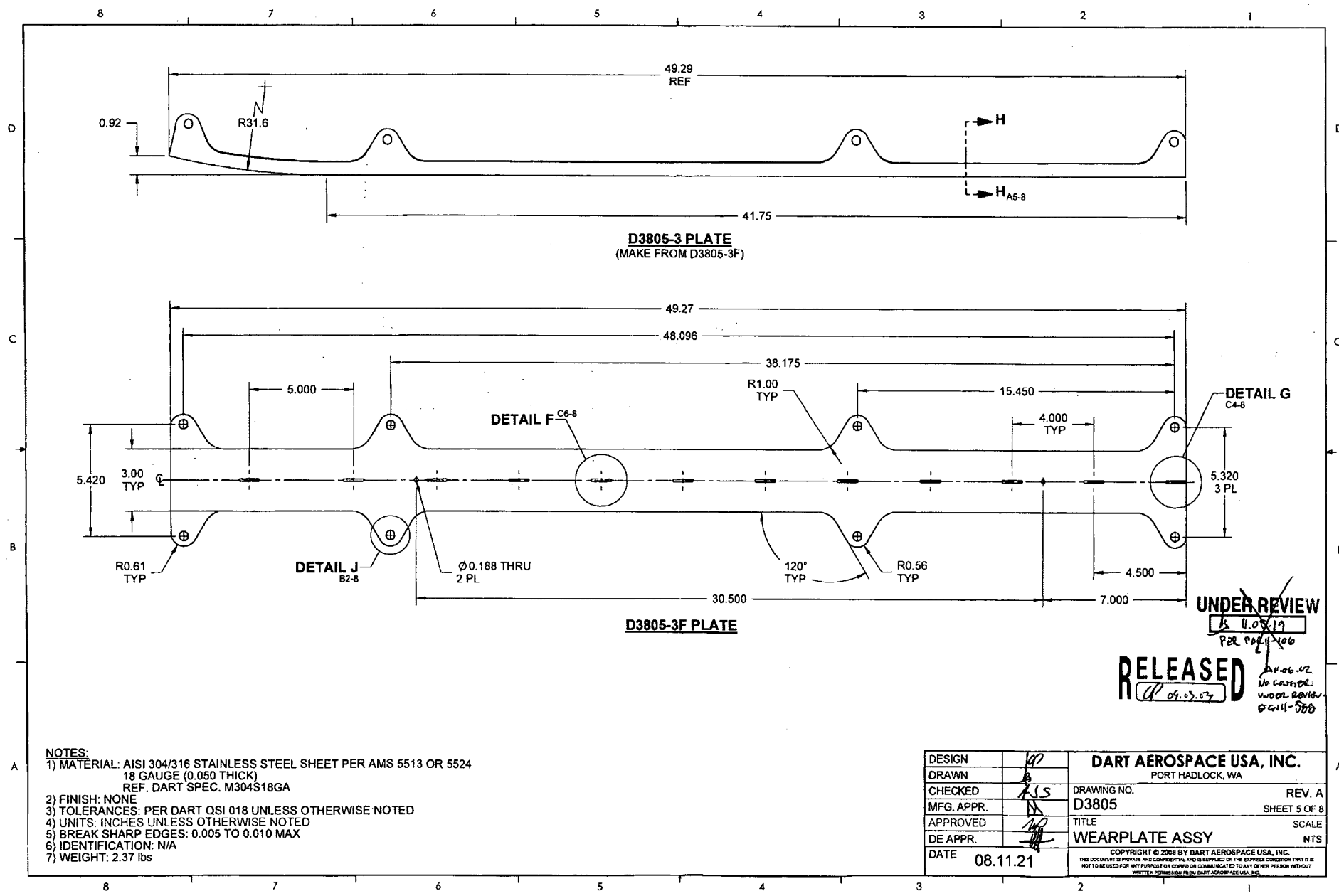
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

74448



UNDER REVIEW  
 11.05.19  
 PER 1041-106

RELEASED  
 09.03.07

2006.02  
 No carrier  
 wood 2010.11  
 6411-000

- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524  
 18 GAUGE (0.050 THICK)  
 REF. DART SPEC. M304S18GA
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 2.37 lbs

DESIGN	197	DART AEROSPACE USA, INC.	
DRAWN	15	PORT HADLOCK, WA	
CHECKED	15	DRAWING NO.	REV. A
MFG. APPR.	15	D3805	SHEET 5 OF 8
APPROVED	15	TITLE	SCALE
DE APPR.	15	WEARPLATE ASSY	NTS
DATE	08.11.21	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR COMMUNICATION TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
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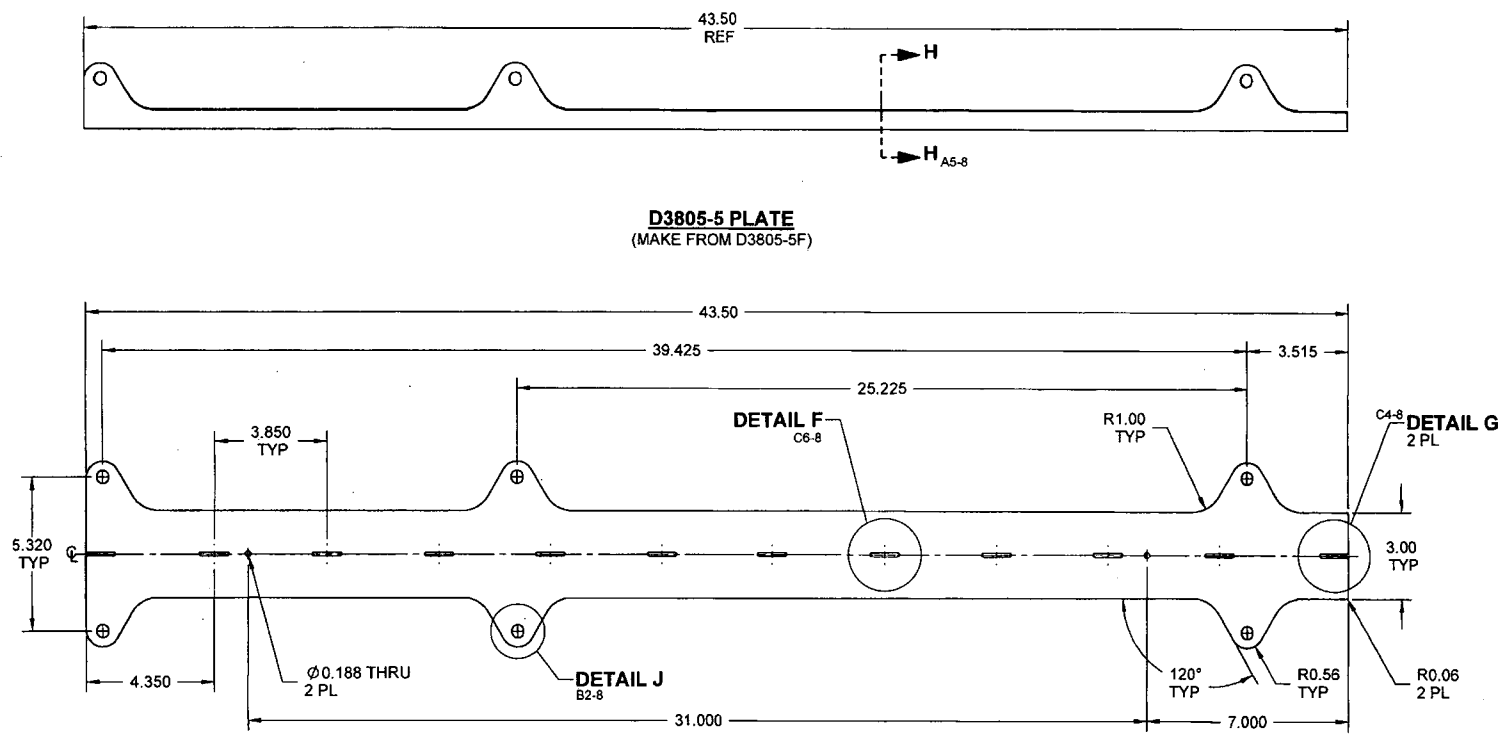
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

74448



**D3805-5 PLATE**  
(MAKE FROM D3805-5F)

**D3805-5F PLATE**

**RELEASED**  
 07-04-03-03  
 UNDER REVIEW  
 13-05-19  
 106-106

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524  
 18 GAUGE (0.050 THICK)  
 REF. DART SPEC. M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.06 lbs

DESIGN	107	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	107	PORT HADLOCK, WA	
CHECKED	107	DRAWING NO.	REV. A
MFG. APPR.	107	D3805	SHEET 6 OF 8
APPROVED	107	TITLE	SCALE
DE APPR.	107	WEARPLATE ASSY	NTS
DATE	08.11.21	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC.	
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**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

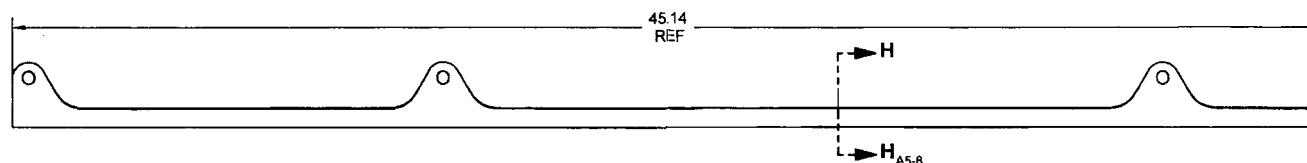
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

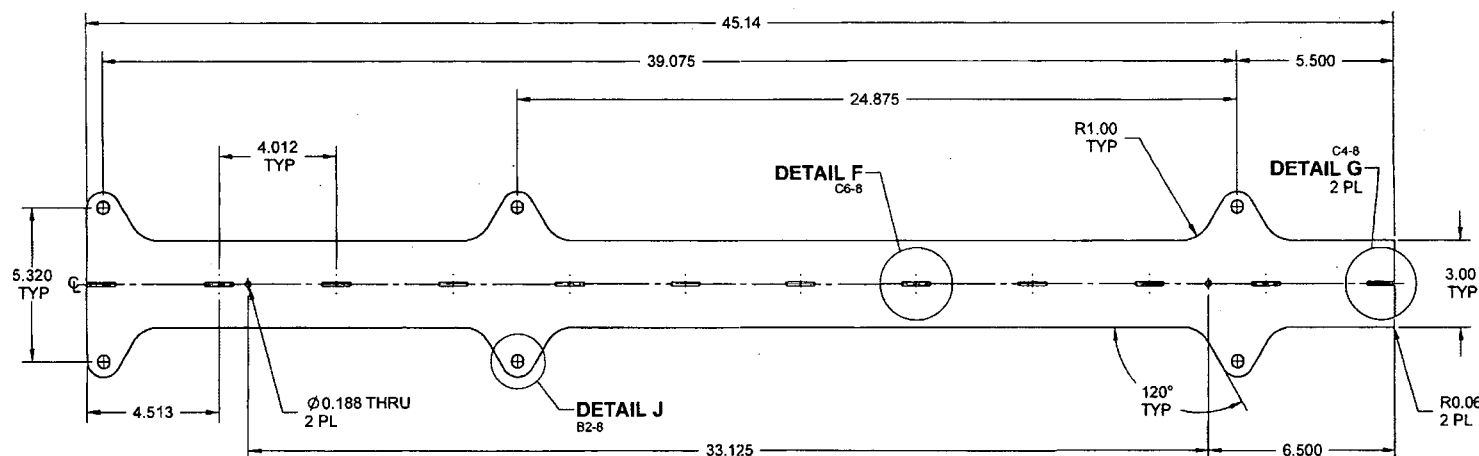
**NOTE:** Date & initial all entries

74478

8 7 6 5 4 3 2 1



**D3805-7 PLATE**  
(MAKE FROM D3805-7F)



**D3805-7F PLATE**

**RELEASED**  
49 09 03 03

**UNDER REVIEW**

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524  
18 GAUGE (0.050 THICK)  
REF. DART SPEC. M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.13 lbs

DESIGN	10	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	10	PORT HADLOCK, WA	
CHECKED	10	DRAWING NO.	REV. A
MFG. APPR.	10	D3805	SHEET 7 OF 8
APPROVED	10	TITLE	SCALE
DE APPR.	10	WEARPLATE ASSY	NTS
DATE	08.11.21	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC.</small> <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

8 7 6 5 4 3 2 1

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

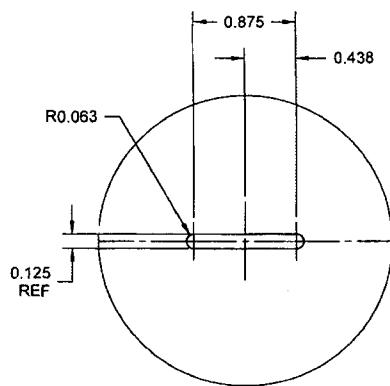
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

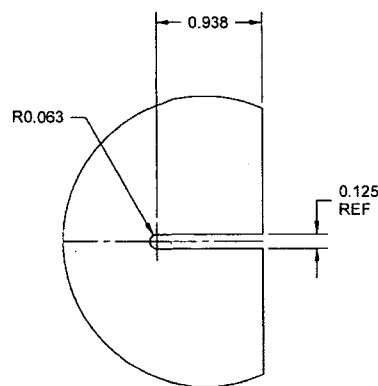


74448



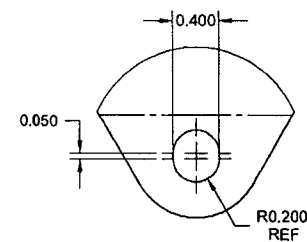
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SLOT DETAIL TYP  
SCALE 4X

C5-4  
C5-5  
C4-6  
C4-7



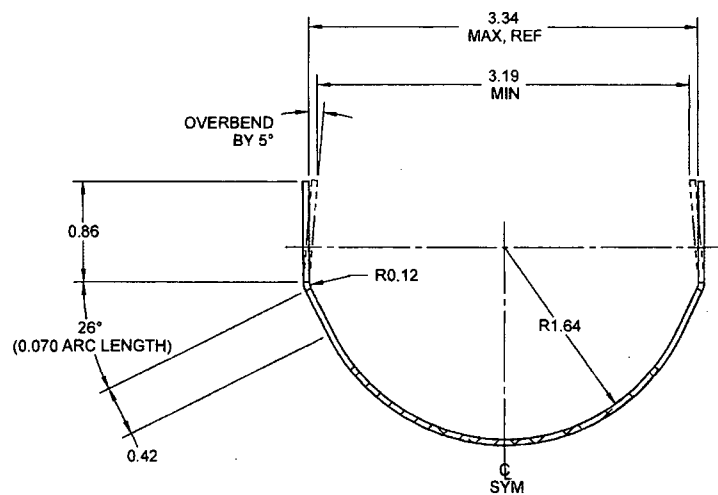
**DETAIL G**  
SLOT DETAIL TYP  
SCALE 4X

C1-4  
C1-5  
C1-6  
C2-7



**DETAIL J**  
SCALE 4X

B6-4  
B7-5  
B5-6  
B5-7



**SECTION H-H**  
SCALE 4X

D3-4  
D3-5  
D3-6  
D3-7

**RELEASED**  
4907.03.03

10-06-02  
NO LAMAR  
WIDE REMOVAL  
BOM 11-588

**UNDER REVIEW**

4-05-19  
PER 1001-106

DESIGN	100	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	100	PORT HADLOCK, WA	
CHECKED	100	DRAWING NO.	REV. A
MFG. APPR.	100	D3805	SHEET 8 OF 8
APPROVED	100	TITLE	SCALE
DE APPR.	100	WEARPLATE ASSY	NTS
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**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

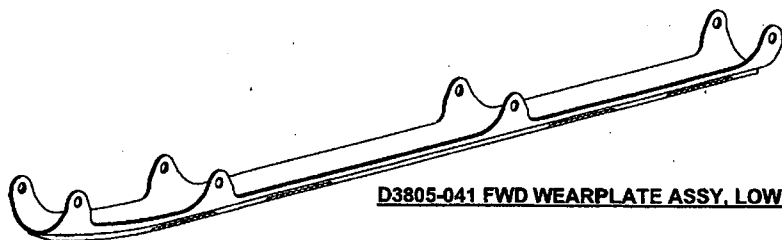
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

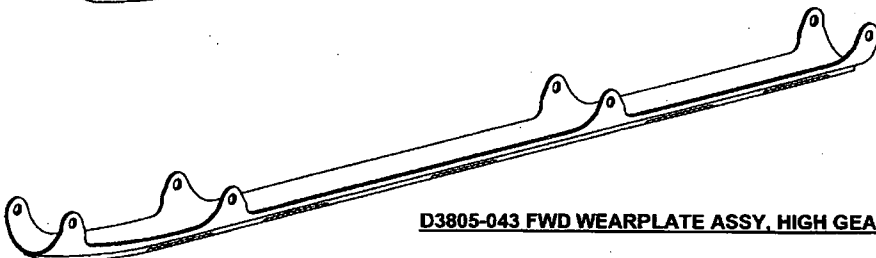
**NOTE:** Date & initial all entries

8 7 6 5 4

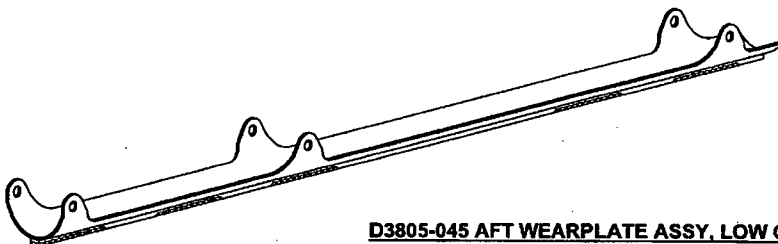
3 2 1



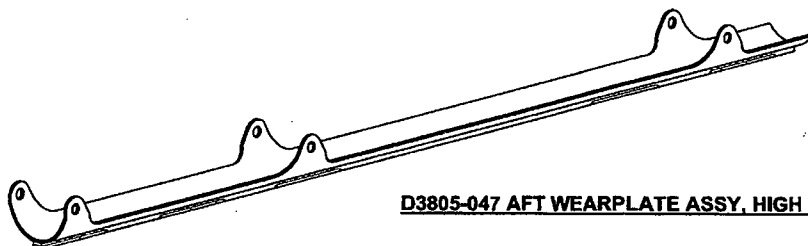
**D3805-041 FWD WEARPLATE ASSY, LOW GEAR**



**D3805-043 FWD WEARPLATE ASSY, HIGH GEAR**



**D3805-045 AFT WEARPLATE ASSY, LOW GEAR**



**D3805-047 AFT WEARPLATE ASSY, HIGH GEAR**

8 7 6 5 4 3 2 1

ITEM	QTY -041	QTY -043	QTY -045	QTY -047	P/N	DESCRIPTION
1	X				D3805-041	FWD WEARPLATE ASSY, LOW GEAR
2		X			D3805-043	FWD WEARPLATE ASSY, HIGH GEAR
3			X		D3805-045	AFT WEARPLATE ASSY, LOW GEAR
4				X	D3805-047	AFT WEARPLATE ASSY, HIGH GEAR
11	1				D3805-1	PLATE
12		1			D3805-3	PLATE
13			1		D3805-5	PLATE
14				1	D3805-7	PLATE
15	1				D3806-1	BAR
16		1			D3806-3	BAR
17			1		D3806-5	BAR
18				1	D3806-7	BAR
19	1				D3807-1	GASKET
20		1			D3807-3	GASKET
21			1		D3807-5	GASKET
22				1	D3807-7	GASKET
31	A/R	A/R	A/R	A/R	2059B	HARDCOAT
32	A/R	A/R	A/R	A/R	1300 (OR 1300L)	3M SCOTCH-GRIP ADHESIVE

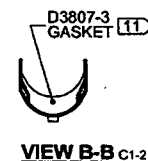
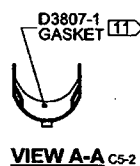
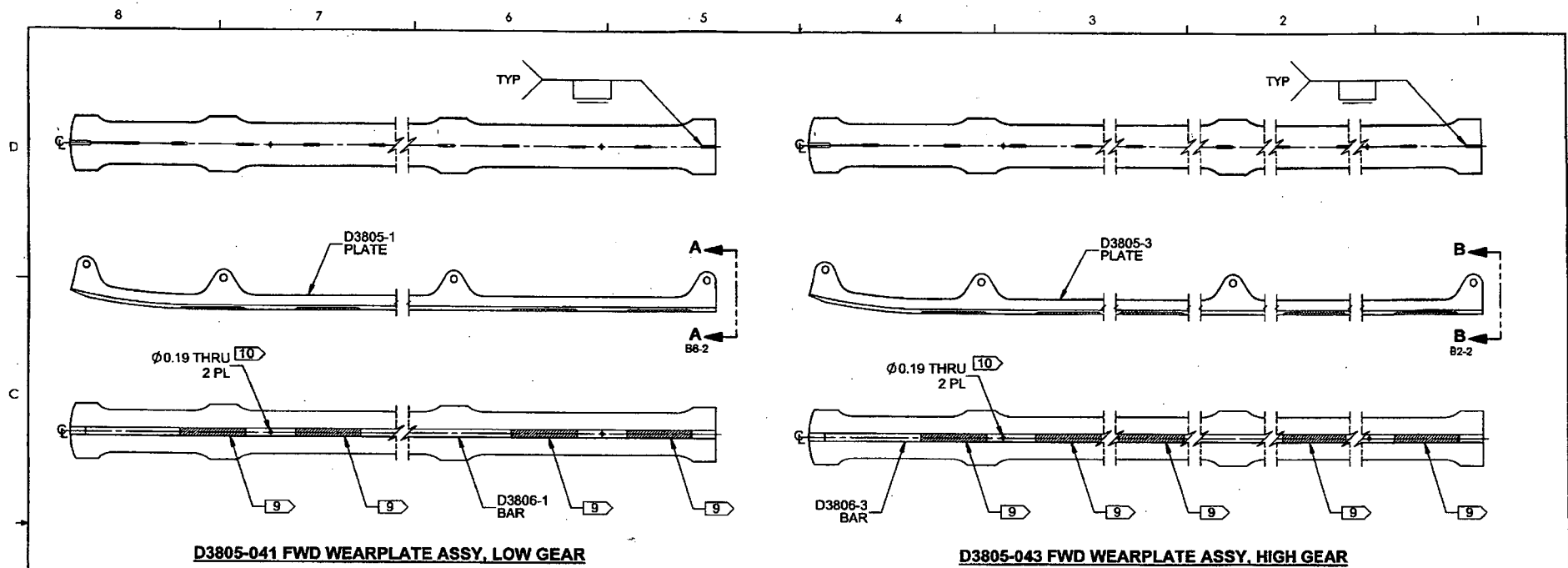
**RELEASED**  
2011-10-03

B	REVISED D3805-1F-3F TO EASE MANUFACTURABILITY (ADDED CUTOUT AT FWD END OF PLATE PER PAR11-108) AND RE-ORGANIZED NOTES SHEETS 2 & 3	MB	11.09.16
A	NEW ISSUE	MB	08.11.21
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.09.16		

**DART AEROSPACE USA, INC.**  
KENT, WA

DRAWING NO. **D3805** REV. B  
SHEET 1 OF 8  
TITLE **WEARPLATE ASSY** SCALE NTS

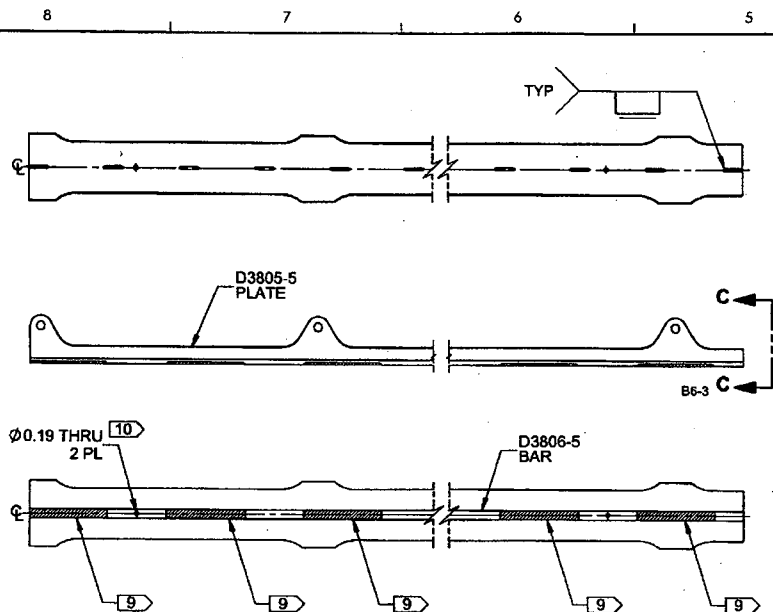
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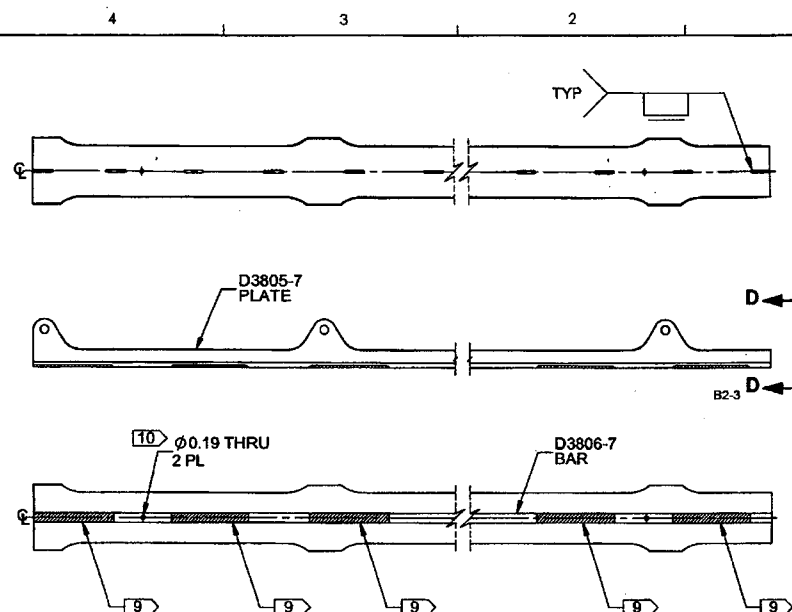
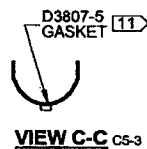
**RELEASED**  
2011-10-03

- NOTES:**
- 1) MATERIAL: N/A
  - 2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3805-04X" USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: D3805-041 = 4.18 lbs; D3805-043 = 4.78 lbs
  - 8) WELDING: PER QSI 004
  - 9) 2059B HARDCOAT WELD, 0.19 THICK X 0.50 WIDE, FLUSH WITH D3806-X BAR ON ALL 3 SURFACES
  - 10) AFTER WELDING, TRANSFER DRILL THRU BAR FROM PLATE
  - 11) AFTER FINISH, BOND D3807-X GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L SCOTCH GRIP ADHESIVE

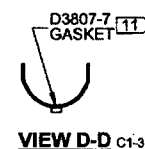
DESIGN		<b>DART AEROSPACE USA, INC.</b>	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3805	SHEET 2 OF 8
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
DATE	11.09.16	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	



**D3805-045 AFT WEARPLATE ASSY.**



**D3805-047 AFT WEARPLATE ASSY.**

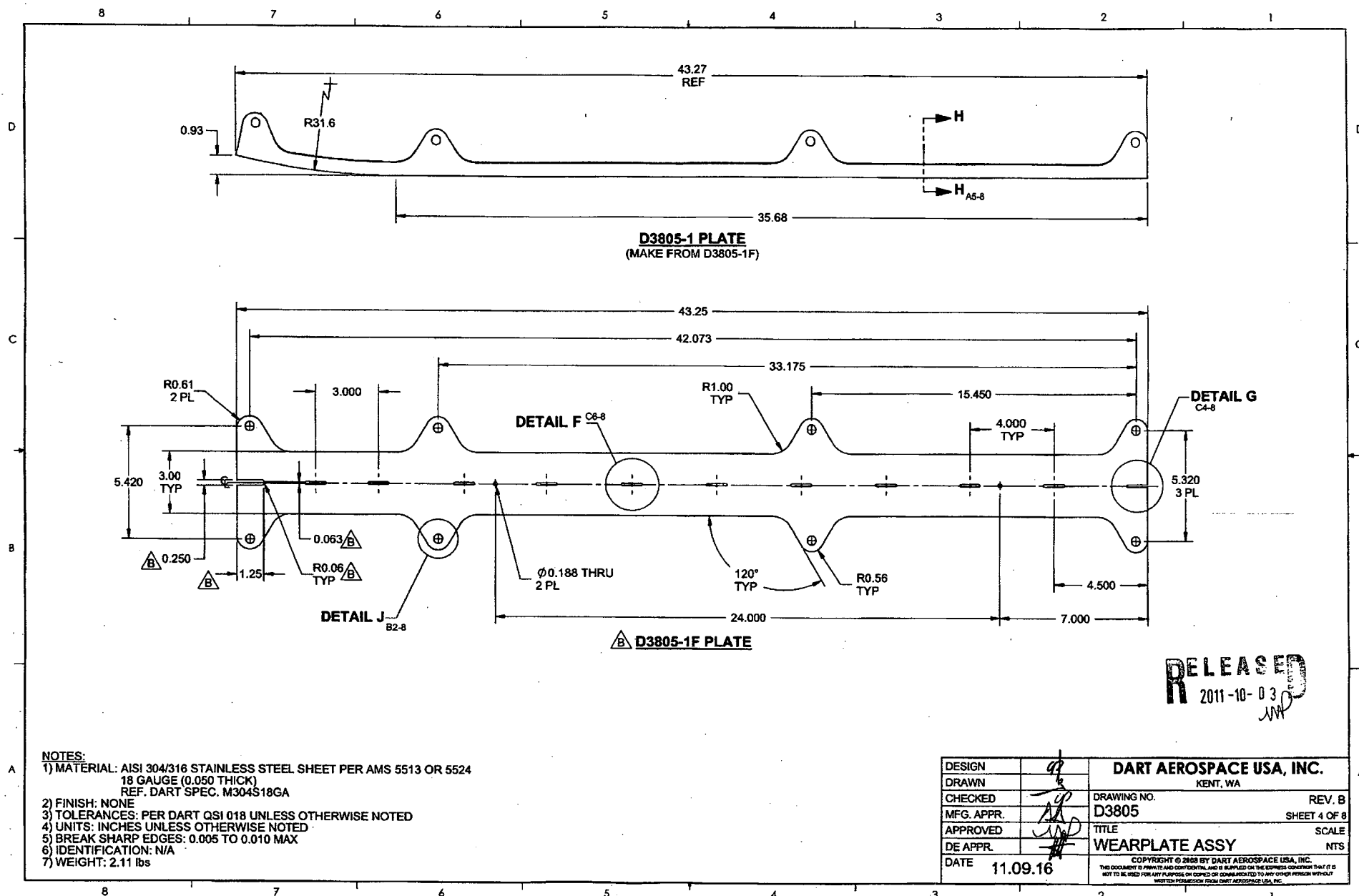


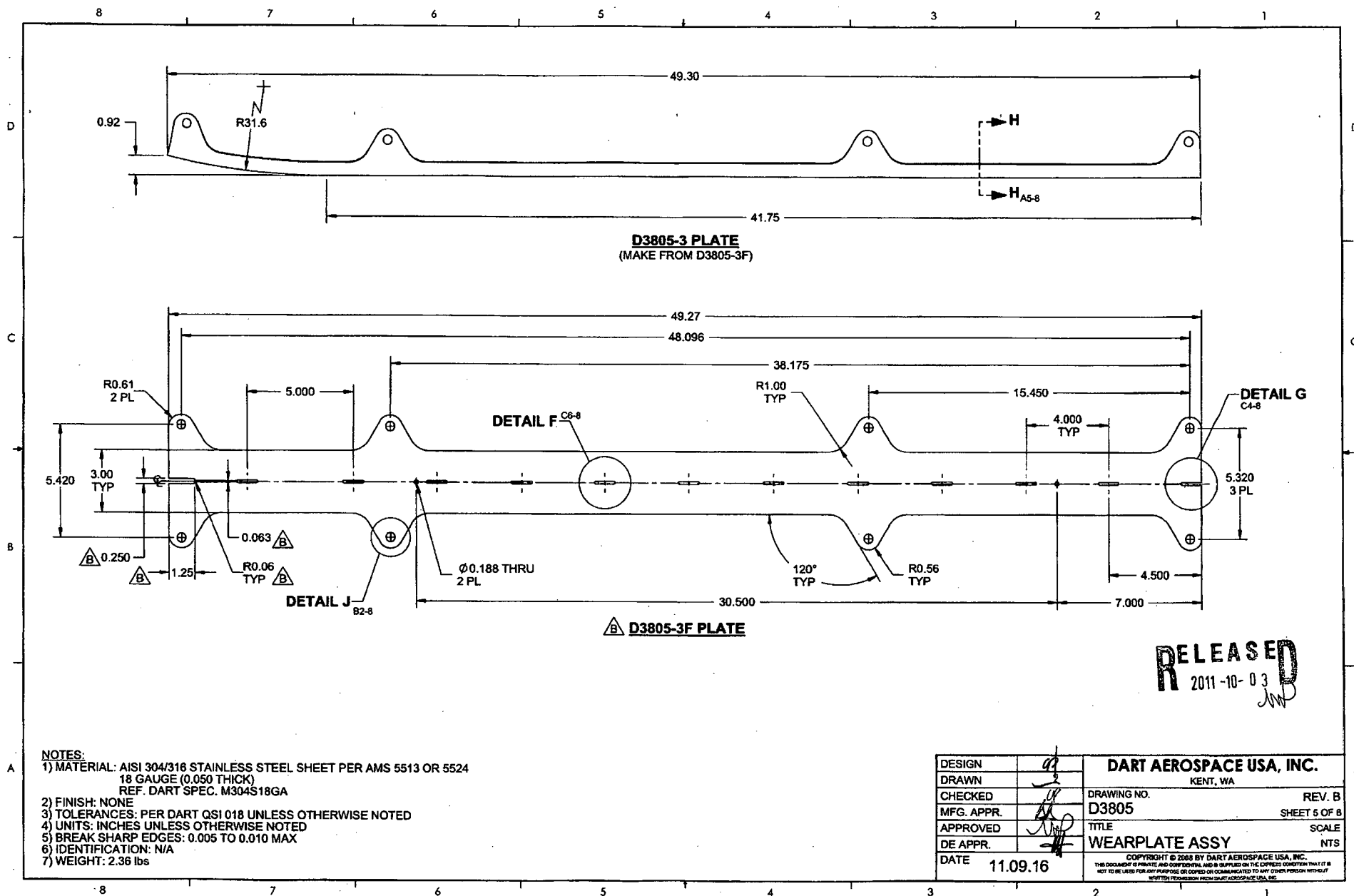
**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANTEX" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3805-04X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D3805-045 = 4.24 lbs; D3805-047 = 4.53 lbs
- 8) WELDING: PER QSI 004
- 9) 2059B HARDCOAT WELD, 0.19 THICK X 0.50 WIDE, FLUSH WITH D3806-X BAR ON ALL 3 SURFACES
- 10) AFTER WELDING, TRANSFER DRILL THRU BAR FROM PLATE
- 11) AFTER FINISH, BOND D3807-X GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L SCOTCH GRIP ADHESIVE

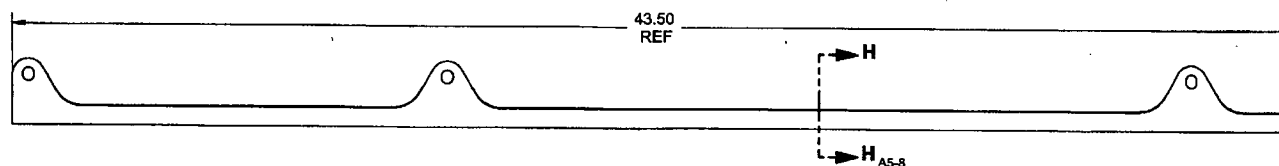
DESIGN		<b>DART AEROSPACE USA, INC.</b>	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3805	SHEET 3 OF 8
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
DATE	11.09.16	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

**RELEASED**  
2011-10-03  
JMP

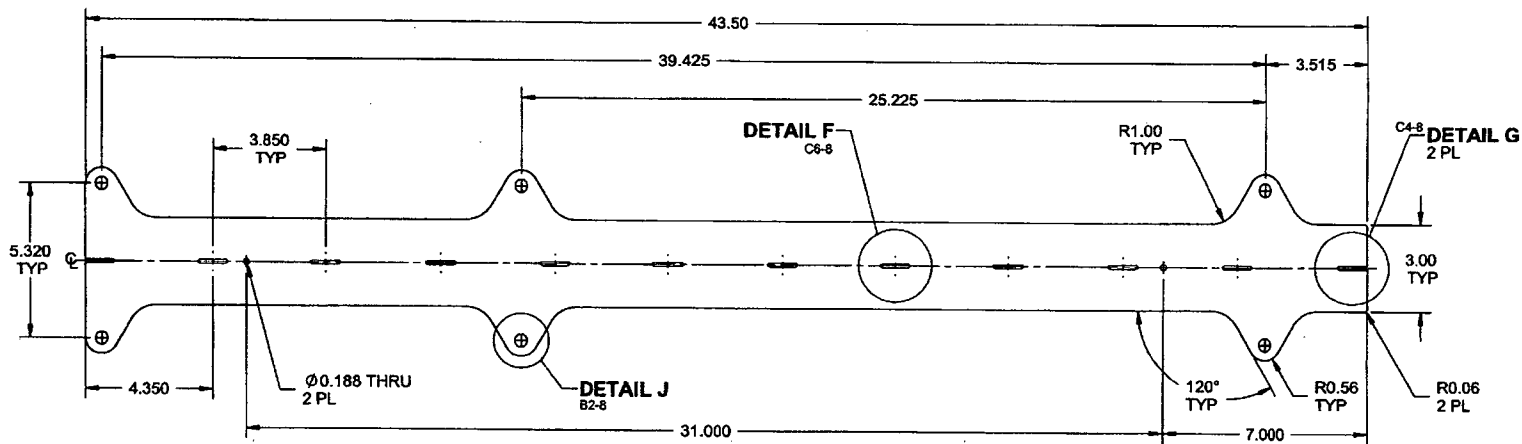




8 7 6 5 4 3 2 1



**D3805-5 PLATE**  
(MAKE FROM D3805-5F)



**D3805-5F PLATE**

**RELEASED**  
2011-10-03

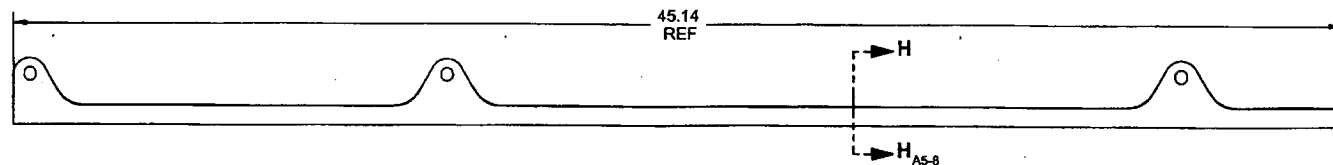
**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524  
18 GAUGE (0.050 THICK)  
REF. DART SPEC. M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.06 lbs

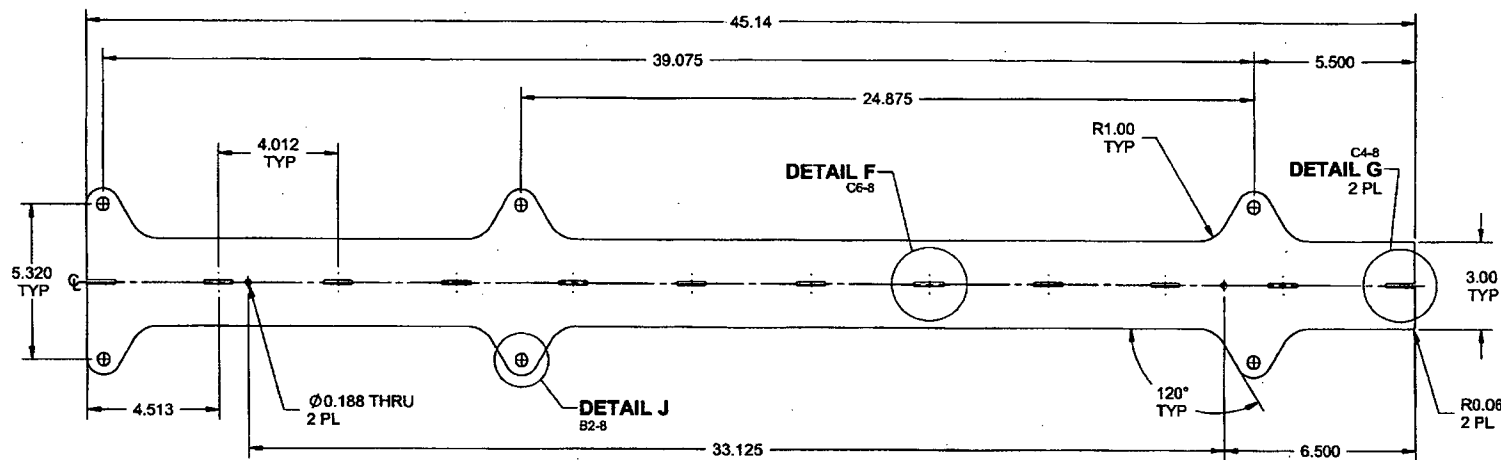
DESIGN	97	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	97	KENT, WA	
CHECKED	97	DRAWING NO.	REV. B
MFG. APPR.	97	D3805	SHEET 6 OF 8
APPROVED	97	TITLE	SCALE
DE APPR.	97	WEARPLATE ASSY	NTS
DATE	11.09.16	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE, OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

8 7 6 5 4 3 2 1





**D3805-7 PLATE**  
(MAKE FROM D3805-7F)



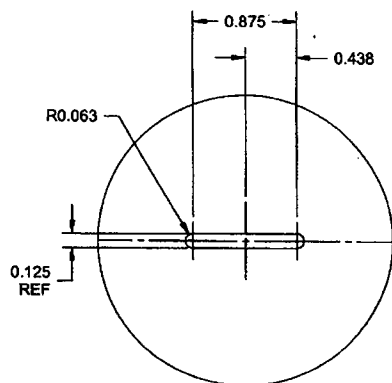
**D3805-7F PLATE**

**RELEASED**  
2011-10-03  
ND

**NOTES:**

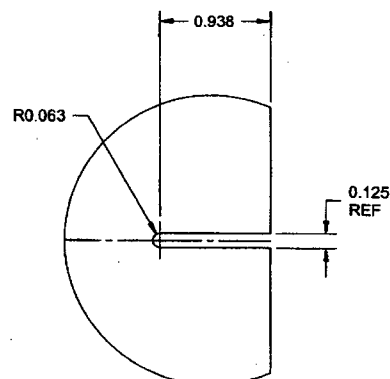
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524  
18 GAUGE (0.050 THICK)  
REF. DART SPEC. M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.13 lbs

DESIGN		<b>DART AEROSPACE USA, INC.</b>	
DRAWN		KENT, WA	
CHECKED		DRAWING NO. <b>D3805</b>	REV. B
MFG. APPR.		SHEET 7 OF 8	
APPROVED		TITLE	SCALE
DE APPR.		<b>WEARPLATE ASSY</b>	NTS
DATE	<b>11.09.16</b>	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	



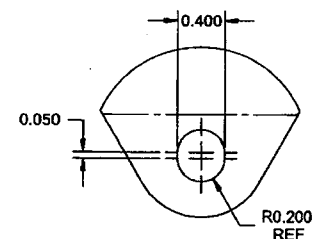
**DETAIL F**  
SLOT DETAIL TYP  
SCALE 4X

C5-4  
C5-6  
C4-6  
C4-7



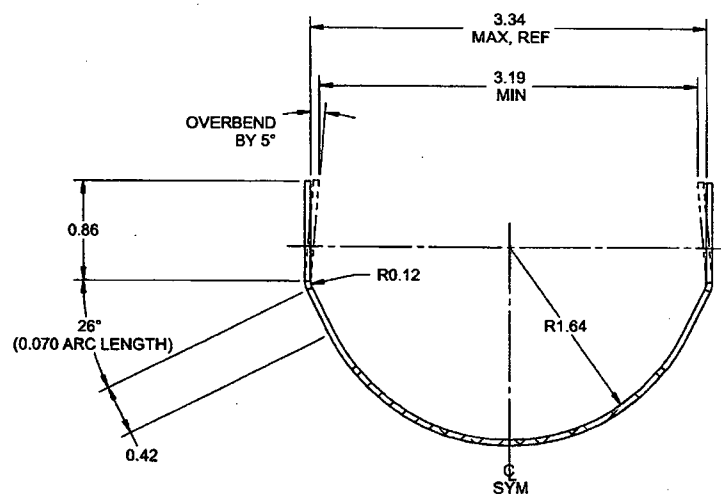
**DETAIL G**  
SLOT DETAIL TYP  
SCALE 4X

C1-4  
C1-5  
C1-6  
C2-7



**DETAIL J**  
SCALE 4X

B6-4  
B7-5  
B5-6  
B5-7



**SECTION H-H**  
SCALE 4X

D3-4  
D3-5  
D3-6  
D3-7

**RELEASED**  
R 2011-10-03

DESIGN		<b>DART AEROSPACE USA, INC.</b>	
DRAWN		KENT, WA	
CHECKED		DRAWING NO. <b>D3805</b>	REV. B
MFG. APPR.		SHEET 8 OF 8	
APPROVED		TITLE	SCALE
DE APPR.		<b>WEARPLATE ASSY</b>	INTS
DATE	<b>11.09.16</b>	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESSED CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	